INPUT SET: S36591.raw

> This Raw Listing contains the General
> Information Section and up to the first 5 pages.

```
1                              SEQUENCE LISTING
2
3    (1)     General Information:
4
5            (i)  APPLICANTS:    Van der Bruggen, Pierre; Van den Eynde, Benoit;
6            DeBacker, Olivier; Boon-Falleur, Thierry
7
8            (ii) TITLE OF INVENTION:  Isolated, Polypeptides Which Bind to HLA-
9            A29 Molecules, Nucleic Acid, The Molecules Encoding These, and
10           Uses Thereof
11
12           (iii)     NUMBER OF SEQUENCES:  31
13
14           (iv) CORRESPONDENCE ADDRESS:
15                (A)  ADDRESSEE:  Fulbright & Jaworski L.L.P.
16                (B)  STREET:  666 Fifth Avenue
17                (C)  CITY:  New York City
18                (D)  STATE:  New York
19                (E)  COUNTRY:  USA
20                (F)  ZIP:  10103-3198
21
22           (v)  COMPUTER READABLE FORM:
23                (A)  MEDIUM TYPE: Diskette, 3.5 inch, 1.44 kb storage
24                (B)  COMPUTER:  IBM PS/2
25                (C)  OPERATING SYSTEM:  PC
26                (D)  SOFTWARE:  Wordperfect
27
28       (vi) CURRENT APPLICATION DATA:
29                (A)  APPLICATION NUMBER: 09/782,745
30                (B)  FILING DATE:
31                (C)  CLASSIFICATION:
32
33
34       (vii) PRIOR APPLICATION DATA:
35                (A)  APPLICATION NUMBER: 09/012,818
36                (B)  FILING DATE:
37
38           (vii)     PRIOR APPLICATION DATA:
39                (A)  APPLICATION NUMBER: 08/370,648
40                (B)  FILING DATE:     10-January-1995
41
42           (vii)     PRIOR APPLICATION DATA:
43                (A)  APPLICATION NUMBER:  08/250,162
44                (B)  FILING DATE:   27-May-1994
45
46           (vii)     PRIOR APPLICATION DATA:
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```
47              (A)  APPLICATION NUMBER:  08/096,039
48              (B)  FILING DATE:   22-July-1993
49
50        (viii)    ATTORNEY/AGENT INFORMATION:
51              (A)  NAME:  Hanson, Norman D.
52              (B)  REGISTRATION NUMBER:  30,946
53              (C)  REFERENCE/DOCKET NUMBER:  LUD 5531
54
55         (ix) TELECOMMUNICATION INFORMATION:
56              (A)  TELEPHONE:  (212) 318-3168
57              (B)  TELEFAX:  (212) 752-5958
58
59
60  (2) INFORMATION FOR SEQ ID NO: 1:
61         (i) SEQUENCE CHARACTERISTICS:
62              (A)  LENGTH: 646 base pairs
63              (B)  TYPE: nucleic acid
64              (C)  STRANDEDNESS: single
65              (D)  TOPOLOGY: linear
66         (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
67
68  CTGCCGTCCG GACTCTTTTT CCTCTACTGA GATTCATCTG TGTGAAATAT    50
69  GAGTTGGCGA GGAAGATCGA CCTATCGGCC TAGACCAAGA CGCTACGTAG   100
70
71  AGCCTCCTGA AATGATTGGG CCTATGCGGC CCGAGCAGTT CAGTGATGAA   150
72
73  GTGGAACCAG CAACACCTGA AGAAGGGGAA CCAGCAACTC AACGTCAGGA   200
74
75  TCCTGCAGCT GCTCAGGAGG GAGAGGATGA GGGAGCATCT GCAGGTCAAG   250
76
77  GGCCGAAGCC TGAAGCTGAT AGCCAGGAAC AGGGTCACCC ACAGACTGGG   300
78
79  TGTGAGTGTG AAGATGGTCC TGATGGGCAG GAGATGGACC CGCCAAATCC   350
80
81  AGAGGAGGTG AAAACGCCTG AAGAAGAGAT GAGGTCTCAC TATGTTGCCC   400
82
83  AGACTGGGAT TCTCTGGCTT TTAATGAACA ATTGCTTCTT AAATCTTTCC   450
84
85  CCACGGAAAC CTTGAGTGAC TGAAATATCA AATGGCGAGA GACCGTTTAG   500
86
87  TTCCTATCAT CTGTGGCATG TGAAGGGCAA TCACAGTGTT AAAAGAAGAC   550
88
89  ATGCTGAAAT GTTGCAGGCT GCTCCTATGT TGGAAAATTC TTCATTGAAG   600
90
91  TTCTCCCAAT AAAGCTTTAC AGCCTTCTGC AAAGAAAAAA AAAAAA       646
92
93
94  (2) INFORMATION FOR SEQ ID NO: 2:
95         (i) SEQUENCE CHARACTERISTICS:
96              (A)  LENGTH: 18 base pairs
97              (B)  TYPE: nucleic acid
98              (C)  STRANDEDNESS: single
99              (D)  TOPOLOGY: linear
```

```
100          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
101
102   AGACGCTACG TAGAGCCT                                    18
103
104
105   (2) INFORMATION FOR SEQ ID NO: 3:
106          (i) SEQUENCE CHARACTERISTICS:
107              (A) LENGTH: 18 base pairs
108              (B) TYPE: nucleic acid
109              (C) STRANDEDNESS: single
110              (D) TOPOLOGY: linear
111          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
112
113   CCATCAGGAC CATCTTCA                                    18
114
115   (2) INFORMATION FOR SEQ ID NO: 4:
116          (i) SEQUENCE CHARACTERISTICS:
117              (A) LENGTH: 8 amino acids
118              (B) TYPE:  amino acid
119              (D) TOPOLOGY: linear
120         (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
121
122   Tyr Arg Pro Arg Pro Arg Arg Tyr
123   1               5
124
125
126   (2) INFORMATION FOR SEQ ID NO: 5:
127          (i) SEQUENCE CHARACTERISTICS:
128              (A) LENGTH: 9 amino acids
129              (B) TYPE:  amino acid
130              (D) TOPOLOGY: linear
131          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
132
133   Thr Tyr Arg Pro Arg Pro Arg Arg Tyr
134   1               5
135
136
137   (2) INFORMATION FOR SEQ ID NO: 6:
138          (i) SEQUENCE CHARACTERISTICS:
139                            (A) LENGTH: 9 amino acids
140              (B) TYPE:  amino acid
141              (D) TOPOLOGY: linear
142          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
143
144   Tyr Arg Pro Arg Pro Arg Arg Tyr Val
145   1               5
146
147   (2) INFORMATION FOR SEQ ID NO: 7:
148          (i) SEQUENCE CHARACTERISTICS:
149              (A) LENGTH: 10 amino acids
150              (B) TYPE:  amino acid
151              (D) TOPOLOGY: linear
152          (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
```

```
153
154    Thr Tyr Arg Pro Arg Pro Arg Arg Tyr Val
155     1           5              10
156
157
158    (2) INFORMATION FOR SEQ ID NO: 8:
159            (i) SEQUENCE CHARACTERISTICS:
160                   (A) LENGTH: 9 amino acids
161                   (B) TYPE:  amino acid
162                   (D) TOPOLOGY: linear
163            (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
164
165    Arg Pro Arg Pro Arg Arg Tyr Val Glu
166     1           5
167
168
169
170    (2) INFORMATION FOR SEQ ID NO: 9:
171            (i) SEQUENCE CHARACTERISTICS:
172                   (A) LENGTH: 18 base pairs
173                   (B) TYPE: nucleic acid
174                   (C) STRANDEDNESS: single
175                   (D) TOPOLOGY: linear
176            (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
177
178    GACCAAGACG CTACGTAG                                        18
179
180
181    (2) INFORMATION FOR SEQ ID NO: 10:
182            (i) SEQUENCE CHARACTERISTICS:
183                   (A) LENGTH: 18 base pairs
184                   (B) TYPE: nucleic acid
185                   (C) STRANDEDNESS: single
186                   (D) TOPOLOGY: linear
187            (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
188
189    CCATCAGGAC CATCTTCA                                        18
190
191
192    (2) INFORMATION FOR SEQ ID NO: 11:
193            (i) SEQUENCE CHARACTERISTICS:
194                   (A) LENGTH: 17 base pairs
195                   (B) TYPE: nucleic acid
196                   (C) STRANDEDNESS: single
197                   (D) TOPOLOGY: linear
198            (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
199
200    GCGGCCCGAG CAGTTCA                                         17
201
202
203
204    (2) INFORMATION FOR SEQ ID NO: 12:
205            (i) SEQUENCE CHARACTERISTICS:
```

RAW SEQUENCE LISTING
PATENT APPLICATION *US/09/782,745*

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```
206                (A) LENGTH: 15 amino acids
207                (B) TYPE:  amino acid
208                (D) TOPOLOGY: linear
209           (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
210
211   Met Ser Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg
212    1           5               10                   15
213
214
215   (2) INFORMATION FOR SEQ ID NO: 13:
216           (i) SEQUENCE CHARACTERISTICS:
217                (A) LENGTH: 16 amino acids
218                (B) TYPE:  amino acid
219                (D) TOPOLOGY: linear
220           (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
221
222   Thr Tyr Arg Pro Arg Pro Arg Arg Tyr Val Glu Pro Pro Glu Met Ile
223    1           5               10                   15
224
225
226   (2) INFORMATION FOR SEQ ID NO: 14:
227           (i) SEQUENCE CHARACTERISTICS:
228                (A) LENGTH: 538 base pairs
229                (B) TYPE: nucleic acid
230                (C) STRANDEDNESS: single
231                (D) TOPOLOGY: linear
232           (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
233
234
235   ACGCCAGGGA GCTGTGAGGC AGTGCTGTGT GGTTCCTGCC GTCCGGACTC    50
236
237   TTTTTCCTCT ACTGAGATTC ATCTGTGTGA AATATGAGTT GGCGAGGAAG   100
238
239   ATCGACCTAT CGGCCTAGAC CAAGACGCTA CGTAGAGCCT CCTGAAATGA   150
240
241   TTGGGCCTAT GCGGCCCGAG CAGTTCAGTG ATGAAGTGGA ACCAGCAACA   200
242
243   CCTGAAGAAG GGGAACCAGC AACTCAACGT CAGGATCCTG CAGCTGCTCA   250
244
245   GGAGGGAGAG GATGAGGGAG CATCTGCAGG TCAAGGGCCG AAGCCTGAAG   300
246
247   CTCATAGCCA GGAACAGGGT CACCCACAGA CTGGGTGTGA GTGTGAAGAT   350
248
249   GGTCCTGATG GGCAGGAGAT GGACCCGCCA AATCCAGAGG AGGTGAAAAC   400
250
251   GCCTGAAGAA GGTGAAAAGC AATCACAGTG TTAAAAGAAG ACACGTTGAA   450
252
253   ATGATGCAGG CTGCTCCTAT GTTGGAAATT TGTTCATTAA AATTCTCCCA   500
254
255   ATAAAGCTTT ACAGCCTTCT GCAAAGAAAA AAAAAAAA            538
256
257
258
```

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION   *US/09/782,745*

INPUT SET: S36591.raw

Original Text

Line   Error

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION *US/09/782,745*

INPUT SET: S36591.raw

< < THERE ARE NO ITEMS MISSING > >

SEQUENCE CORRECTION REPORT
PATENT APPLICATION *US/09/782,745*

INPUT SET: S36591.raw

Line	Original Text	Corrected Text
5	(i) APPLICANTS: Van der Bruggen, Pierre;	(i) APPLICANT: Van der Bruggen, Pierre; Va